



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO038389	ACI001-VC	1	1	Net 30	M304B0.625X3.000	304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				36	11/23/2017	39		S012902	Stock	11/23/2017	\$ 25.20 / ft	0		\$972.63	Acier Ouellette Inc.	
		2			MT-A513-T-2.625W0.250	A513 Seamless Alloy Steel Round Tubing 2.625" dia. x 0.250" Wall				12		12		S012943	Stock	11/23/2017	\$ 34.00 / ft	0		\$408.00	Acier Ouellette Inc.	
Total:										48		51									\$1,088.87	

Plex 11/23/2017 10:51 AM Dart.Plouffe.Sonia



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038389

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038389
PO Date: 11/16/17
Due Date: 11/27/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Phone:

E-MAILED
NOV 16 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quotation no. sou0071175

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.625X3.000	-	304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/23/17	36 ft	0 ft	36 ft	\$25.19777/ft	\$907.12
2	MT-A513-T-2.625W0.250	-	A513 Seamless Alloy Steel Round Tubing 2.625"dia. x 0.250" Wall		Firmed	11/23/17	12 ft	0 ft	12 ft	\$34.00/ft	\$408.00
3	M303B0.250X4.000	-	M303 Bar 0.250 Thick x 4.000 Wide : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/27/17	12 ft	0 ft	12 ft	\$41.25/ft	\$495.00
4	M7075T6R0.750	-	M7075T6R0.750 : MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ROUND BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4124/4186/4187 OR PER AMS QQ-A- 200/11 receive ft		Firmed	11/27/17	12 ft	0 ft	12 ft	\$19.16666/ft	\$230.00

Grand Total: \$2,040.12

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038389

Order Notes

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/16/17 3:13 PM dart.lavoie.chantal



DELIVERY - CLIENT

CLI0001056

2017/11/16

2017/11/21

038389

Josianne Bourdon

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only							
				CMD	EXP	B/O	IN	I	S	C	OUT			
1 FLAT SS 5/8 X 3 SS304 NS FSS-583 9221 3 X 12' R/L AC11318-CF-20/11	229.68	36.00	PI \$CLB		1 x 12' 4" 1 x 12' 8" 1 x 13' 4"									
2 TUBE MEC 2.625 OD X .250 RANDOM NS TME-2625250-V 8807	76.09	12.00	PI											
1 X 12' AC11320-MM-20/11														



Order - Sales

CO00062428

Copy

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CL10001056

Date 2017/11/16

Delivery date 2017/11/21

Your order N° 038389

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 1

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
1 ELAT SS 5/8 X 3 SS304 NS FSS-583 3 X 12' R/L HEAT: 56170772 AC11318-CF-20/11 DAS 9 9-88	229.68	36.00	PI_SCLB	3.00					
2 TUBE MEC 2.625 OD X .250 RANDOM NS TME-2625250-V 8807 1 X 12' HEAT: 784610C AC11320-MM-20/11 DAS 9 9-88	76.09	12.00	PI	1.00					

Total Weight (LBS) : 1 305.77


NIR : R-109516-6

Conditions : All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 3% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his sole to claim for the balance due or the repossesson of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total (\$CAD)
Deposit 1 486.09
Balance 0.00
1 486.09

Prepared By :	Verified By :	Delivered By :	Time	Customer's Signature	Y	M	D
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PO, 11318

BOLLINGHAUS STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458	Abnahmeprüfzeugnis / Mill Test Certificate / Certif. de Qualidade EN 10204:2004 / 3.1		No.: / Nr.: / Nr.: 0000132900											
	Unsere Innere Verweisung / Our Int. Ref / ref Int 5600036751 000060		Datum / Date / Data 31.08.2017											
Normen / Standards / Normas TYPE 304/UNS S30400 and TYPE 304/UNS S30403 acc. to <u>ASTM A276/A376M-16a</u> , ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5639J, AMS 5647K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.														
Bestell Nr./Order Nr./ Enc.Nr. C109431 Bestell Nr./ Order Nr./ Enc.Nr. C109431.8														
Produktgruppe / Product Group / Grupo Produto <u>AISI 304/L FLAT 5/8 X 3"</u>		Gewicht / Weight / Peso 2 077 lb		Bunde / Bundle / Atados 01										
Werkstoff-Nr. / Material-no. / Qualidade 1.4307		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9												
Beschreibung / Description / Descrição Stainless steel flat bars, hot rolled, heat treated, straightened and pickled. US OFAR 252.225-7009: MELT SOURCE: United Kingdom / MFG: Portugal.														
Schmelzen Nr. / Cast nr. / Fusaes nr. 56170772														
Chemische Analyse In % / Chemical composition In % / Analise quimica em %														
	C	0.017	Si	0.410	Mn	1.680	P	0.039	S	0.025	Cr	18.400	Ni	8.060
	Mo	0.350	Co	0.135	Cu	0.720	N	0.080	Ti	0.001	Al	0.005	-	-
ASTM E399					ASTM A370									
Proben Nr. Test no. Amostras no.	Kerbschlagarbeit Impact Test Resiliência (Charpy V)		Streckgrenze Yield point Tensão limite Rp 0.2 %		Dehngrenze 1% point Limite de extensão Rp 1.0%		Zugfestigkeit Tensile strength Tensão de rotura Rm		Dehnung Elongation Alongamento A5 A10		Einschnürung Reduction of area Coef. Estricção Z			
	[J]		[Ksi]		[Ksi]		[Ksi]		[%] [%]		[%]			
	3063023.01.01		198.0		57.4		61.3		97.3		52.1 55.7		69.0	
ASTM E10 Härte Hardness Dureza 202 [HB]					ASTM A262 Practice E Korrosionsbeständigkeit IC Test Corrosão Inter-cristalina Ok					Wärmebehandlung Heat treatment Tratamento térmico Annealed Quenched 1900 °F (1050 °C) (water quenched)				
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional Ok					ASTM E112 Korngröße Grain size Tamanho de grão 9					Verksäcshandling Quality Control Representative Inspector da Qualidade  Nuno Silva (N-NS)				
Verwechslungsprüfung Test of identity Teste de identificação Ok					Makroskopische Untersuchung Macrographic test Material free from segregation defects Ok									
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.					Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.									

129.K.PP

004377



Sharon Tube

A DIVISION OF ZEKELMAN INDUSTRIES

100 Martin Luther King Jr. Blvd., Farrell, 16121

PRODUCT CERTIFICATION

HEAT NUMBER

784610C

SALES ORDER

000532083

DAS
9
9-89

CUSTOMER P.O. BC6564	CUSTOMER PART CDM 2.625 .250 2.125	QUANTITY 1,742 FT	BNDLS 2	LADING NO 0085067957	SHIPMENT DATE 08/11/2017
SPECIFICATION EDTRN26250.2500-0006 Grade 1026AK O.D. 2.6250 +0.0080 -0.0000 I.D. 2.1250 +0.0000 -0.0080 Wall .2500 +0.0000 -0.0000 *Reference Dimension Len 20' 0.000"/24'0.000" Random Temp Stress Relieved ASTM A-513 Type 5 Cold Drawn Electric Weld Carbon Steel Mechanical Tubing WT/FT: 6.34125 Finish Type: Normal End Use: none ***** STENCIL REQUIRED ***** STENCIL COLOR: Not Blue PHYSICAL TESTS REQUIRED TENSILE: 75000 / 115000 YIELD: 65000 / 105000 YT: .99 MAXIMUM RB: 80 / 105 ELONG: 10 / 40					
CERTIFICATION REQUIREMENTS					
Chemical, Ladle Analysis, %					

David L. Campbell, Manager, Technical Services, being duly sworn according to law, deposes and says that the figures set forth above are correct, as contained in the figures of Sharon Tube Company.



Sharon Tube

A DIVISION OF ZEKELMAN INDUSTRIES

100 Martin Luther King Jr. Blvd., Ferrell, 16121

PRODUCT CERTIFICATION

HEAT NUMBER

784610C

SALES ORDER

0005320831

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	BNDLS	LADING NO	SHIPMENT DATE					
BC6564	CDM 2.625 .250 2.125	1,742 FT	2	0085067957	08/11/2017					
C	Mn	P	S	Si	Al	Cu	Ni	Cr	Mo	V
.26	.77	.007	.005	.05	.046	.033	.014	.034	.004	.002
Ca										
.002										
Physical Tests										
Melt Mill		Melt Country		Melt Practice		Cast				
US Steel Lake Erie		Canada		Basic Oxygen		Strand				
Reduction Ratio	DFARS Compliant									
>6:1	Yes									
Tubing Mechanical Test Results										
TEST	UNITS	HIGH	LOW	AVERAGE						
Yield, PSI	PSI	82170	82170	82170						
Tensile, PSI	PSI	94290	94290	94290						
Elongation, %-2"	%-2"	30.07	30.07	30.07						
Yield/Tensile Ratio		.871	.871	0.871						
Rockwell B Hardness	HRb	89	89	89						
<p>Certified Test Report Type 3.1B in accordance with EN 10204/ISO 10474/DIN 50049. Material has not come in direct contact with mercury, any of its compounds or any mercury bearing devices during the manufactured process, tests or inspections. Material does not contain any polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).</p> <p>Cold Drawn Electric Weld Carbon Steel Mechanical Tubing Meeting the Requirements of ASTM A513-15 Type 5. Eddy Current Tested per S8.2.1 or Flux Leakage Tested per S8.4 or Ultrasonic Tested per S8.3. No weld repairs have been performed. Hardness and tensile testing conducted per most current editions of ASTM A513 S5 and ASTM A370. Yield Strength determined @ 0.2% offset. Grain size #5 or finer. All steel fully killed. Manufactured in the U.S.A.</p> <p>End of Certification</p>										

David L. Campbell, Manager, Technical Services, being duly sworn according to law, deposes and says that the figures set forth above are correct, as contained in the figures of Sharon Tube Company.

David L. Campbell
Date Printed: 08/11/2017

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513+-2.625WO.250

PO / BATCH NO.: 038389/5012943

DATE: NOV 30 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12"
 QUANTITY INSPECTED: 12"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250
 THICKNESS RECEIVED: 0.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	Y N	<u>Astm A513</u>
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	<u>Heat# 784610C</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>mel</u> DATE: <u>NOV 30 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17/09/06	VM	WM

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A513 SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION:

PART NUMBER:

ASTM A513

MT-A513-T-ID.DDDJW(T.TTT)

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

TOLERANCES PER MANUFACTURER SPECIFICATIONS

DART AEROSPACE Horseshoe, Ontario, Canada	
TITLE ASTM A513 ALLOY STEEL ROUND TUBING (DOM)	
DWG NO.	REV
MT-A513-T	A
DESIGN BY: SAC 7/9/2017 DRAWN BY: VM 09/13/2017 CHECKED: VM 09/13/2017 MFG. APPR: DP 09/13/2017 QA APPR: PD 09/13/2017 APPROVED: VM 09/14/2017 DATE: 9/13/2017	
SCALE: NTS WEIGHT: N/A	
SHEET 1 OF 1	
COPYRIGHT © 2017 BY DART AEROSPACE LTD. THE DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.	

EGN 17-655

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.625x3.000

PO / BATCH NO.: 038389/5012902

DATE: NOV 30 2017

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 39
 QUANTITY INSPECTED: 39
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .625
 THICKNESS RECEIVED: .625
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	<u>AISI 304</u>
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	<u>Heat # 56170772</u>
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u> DAS 9	SIGNED OFF BY: _____	
DATE: <u>NOV 30 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL (AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE))

△ SPECIFICATION:

ASTM A276 OR ASTM A240

PART NUMBER:

M304B T.TTT X|WWW.WWWW|
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WWW.WWWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000
△ EG. 0.5" x 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG. CHANGED TITLE FROM 304/316 BAR TO 304/316 BAR/PLATE	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (ZN D6-1).	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN	PH		
CHECKED	PH		
MFG. APPR.	PH		
APPROVED	PH		
DE APPR.	PH		
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. C SHEET 1 OF 1	
DRAWING NO. M304B		SCALE	
TITLE 304/316 BAR/PLATE		NTS	
COPYRIGHT © 2005 BY DART AEROSPACE LTD. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION FROM DART AEROSPACE LTD.			